



Figure 26: Using regular expressions on the Standard Filter dialog

- 3) Select **Category** from the first drop-down menu in the *Field name* column.
- 4) Select = from the first drop-down menu in the *Condition* column.
- 5) Type "Tennis|Golf" in the first text box in the *Value* column.
- 6) Select **Region** from the second drop-down menu in the *Field name* column.
- 7) Select = from the second drop-down menu in the *Condition* column.
- 8) Type "North|East" in the second text box in the *Value* column.
- 9) If necessary, click the icon to expand the *Options* area of the dialog.
- 10) Make sure that the **Regular expressions** checkbox is checked.
- 11) Press the **OK** button and Calc updates the data displayed in accordance with the specified filter criteria.

The data shown in Figure 27 can be used to show a simple example of a function call that incorporates a regular expression. Suppose we wanted to calculate the revenue from the sale of pencils, pencil cases, and pens. This can be achieved by entering the following formula into an empty cell =SUMIFS(C2:C6, A2:A6, "^pen.*"), where the regular expression matches the name of any product that starts with the characters "pen". Alternatively we could calculate the revenue from the sale of books and notebooks using the formula =SUMIFS(C2:C6, A2:A6, ".*book\$"), where the regular expression matches the name of any product that ends with the characters "book".